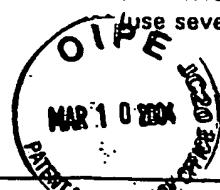


Form PTO-1449 U.S. Department of Commerce
(REV. 8-83) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION
(use several sheets if necessary)



Atty. Docket No.
ENZ-61 (D11)

Serial No. 10/764,418

Applicants: Ilan, et al

Filed: January 23, 2004

Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	5 4 9 4 8 1 0	02/1996	Barany, et al			
JR	6 0 0 4 2 8 6	12/1999	Bellhouse, et al			
JR	5 5 8 2 9 8 4	12/1996	Bieniarz, et al			
JR	5 5 9 9 9 3 2	02/1997	Bieniarz, et al			
JR	4 9 7 8 6 1 4	12/1990	Bronstein, IY			
JR	5 4 6 2 8 5 4	10/1995	Coassin, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO
JR EP	0 6 6 7 3 9 3	8/16/95	Rabbani et al	A1		
JR EP	0 0 7 0 6 8 5	7/14/82	Heller, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Ball, et al., "The use of tailed octamer primers for cycle sequencing," <u>Nucl. Acids. Res.</u> 26:5225-5227 (1998)
JR	Baranov, et al., "A new technique for the characterization of long-range tertiary contacts in large RNA molecules: insertion of a photolabel at a selected position in 16S rRNA within the <i>Escherichia coli</i> ribosome," <u>Nucl. Acids Res.</u> 25:2266-2273 (1997)
	Dale, R.M., et al., "Direct covalent mercuration of nucleotides and polynucleotides," <u>Biochemistry</u> 14:2447-2457 (1975)
JR	Dale, R.M., et al., "The synthesis and enzymatic polymerization of nucleotide containing mercury: potential tools for nucleic acid sequencing and structural analysis," <u>Proc. Natl. Acad. Sci. USA</u> 70:2238-2242 (1973)
JR	Doan, T.L., et al., "Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron-porphyrins," <u>Biochemistry</u> 25:6736-6739 (1986)
JR	Eglinton, G., et al., "A coupling of acetylanic compounds," <u>Adv. Organic Synthesis</u> 4:225-328 (1963)

EXAMINER /Jezia Riley/ DATE CONSIDERED 09/02/2006

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
(REV. 8-83) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION
(use several sheets if necessary)

Atty. Docket No.
ENZ-61 (D11)

Applicants: Ilan, et al

Filed: January 23, 2004 Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	5 8 4 9 4 8 0	12/1998	Cros, et al			
JR	4 8 9 4 3 2 5	01/1990	Engelhardt, et al			
JR	5 2 4 1 0 6 0	08/1993	Engelhardt, et al			
JR	5 2 8 8 6 0 9	02/1994	Engelhardt, et al			
JR	6 2 2 1 5 8 1	04/2001	Engelhardt, et al			
JR	4 3 7 5 9 7 2	03/1983	Forgione, et al			
JR	5 2 1 0 0 1 5	05/1993	Gelfand, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO
JR	WO 9 9 2 8 5 0 0	11/27/98	Lee, et al			
JR	EP 0 9 1 7 0 3 9	1/12/00	Rabbani, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	<u>Ezra Biochem, Catalog Nos. 42722, 4723, 4724, New York, NY</u>					
JR	Ernst, et al., "Cyanine dye labeling reagents for sulphhydryl groups," <u>Cytometry</u> 10:3-10 (1989)					
JR	Fuhrop, J.H., et al., Chapter 19 in "Porphyrins and Metalloporphyrins," ed. Smith, K.M., Elsevier Science, New York (1975)					
JR	Kawase, et al., "Studies on nucleic acid interactions. I. Stabilities of mini-duplexes (dG2A4XA4G2-dC2T4YT4C2) and self-complementary d(GGGAAXYTTCCC) containing deoxyinosine and other mismatched bases," <u>Nucl. Acids. Res.</u> 14:7727-7736 (1986)					
JR	Kuhlmann, K.F., et al., "Synthesis, DNA-binding and biological activity of a double intercalating analog of ethidium bromide," <u>Nucl. Acids. Res.</u> 5:2629-2633 (1978)					
JR	Larock, "Organomercurials in Organic Synthesis," <u>Tetrahedron</u> 38:1713-1754 (1982)					
EXAMINER /Jezia Riley/			DATE CONSIDERED 09/02/2006			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Form
12/4/06

INFORMATION DISCLOSURE CITATION
(use several sheets if necessary)Atty. Docket No.
ENZ-61 (D11)

Applicants: Iian, et al

Filed: January 23, 2004

Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	6	3	3	8	9	5	4	01/2002	Gemen, B.			
JR	5	6	4	6	2	6	4	07/1991	Glazer, et al			
JR	5	2	4	8	6	1	8	09/1993	Haces, A.			
JR	5	7	3	0	8	4	9	03/1998	Hamby, et al			
JR	4	7	0	7	4	5	4	11/1987	Hendrix, JL			
JR	5	4	6	4	7	4	1	11/1995	Hendrix, JL			
JR	5	9	9	4	0	5	6	11/1999	Higuchi, RG			
JR	5	0	4	7	5	1	9	09/1991	Hobbs, et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO
JR	EP	1	2	7	5	7	3	7	1/15/03	Rabbani, et al	A1		
JR	EP	1	3	4	4	8	3	5	11/17/03	Rabbani, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Lee, L.G., et al., "DNA sequencing with dye-labeled terminators and T7 DNA polymerase: effect of dyes and dNTPs on incorporation of dye-terminators and probability analysis of termination fragments," <i>Nucl. Acids Res.</i> 20:2471-2488 (1992)
JR	Liu, H., et al., "PCR amplification using deoxyinosine to replace an entire codon and at ambiguous positions," <i>Biotechniques</i> 16:24-26 (1994)
JR	Liu, D., et al., "Stable human immunodeficiency virus type 1 (HIV-1) resistance in transformed CD4+ monocytic cells treated with multitargeting HIV-1 antisense sequences incorporated into U1 snRNA," <i>J. Virol.</i> 71:4079-4085 (1997)
JR	Loakes, D., et al., "5-Nitroindole as an universal base analogue," <i>Nucl. Acids Res.</i> 22:4039-4043 (1994)
JR	Loakes, D., "The applications of universal DNA base analogues," <i>Nucl. Acids Res.</i> 29:2437-2447 (2001)

EXAMINER /Jezia Riley/ DATE CONSIDERED 09/02/2006

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LEM
12/4/06

Form PTO-1449 U.S. Department of Commerce
(REV. 8-83) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION
(use several sheets if necessary)

Atty. Docket No.
ENZ-61 (D11)

Applicants: Iian, et al

Filed: January 23, 2004 Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	6 2 2 8 5 7 8	05/2001	Impraim, et al			
JR	5 5 5 4 5 1 6	09/1996	Kacien, et al			
JR	5 9 4 8 6 4 8	09/1999	Kahn, et al			
JR	5 9 4 5 2 8 3	08/1999	Kwok, et al			
JR	5 9 4 5 5 2 6	08/1999	Lee, et al			
JR	5 1 1 8 8 0 1	06/1992	Lizardi, et al			
JR	5 1 3 0 2 3 8	07/1992	Malek, et al			
JR	4 6 8 3 2 0 2	07/1987	Mullis, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Maulding, D.R., et al., "Chemiluminescence from Reactions of Electrophilic Oxamides with Hydrogen Peroxide and Fluorescent Compounds," <i>J. Org. Chem.</i> 33:250-254 (1968)
JR	Moan, J., et al., "Porphyrin photosensitization and phototherapy," <i>Photochem. Photobio.</i> 43:681-690 (1986)
JR	Mujumdar, R.B., et al., "Cyanine dye labeling reagents containing isothiocyanate groups," <i>Cytometry</i> 10:11-19 (1989)
JR	Mujumdar, R.B., et al., "Cyanine dye labeling reagents: sulfoindocyanine succinimidyl esters," <i>Bioconjugate Chemistry</i> 4:105-111 (1993)
JR	Nichols, et al., "A universal nucleoside for use at ambiguous sites in DNA primers," <i>Nature</i> 369:492-493 (1994)
JR	Okayama, H., et al., "High efficiency cloning of full length cDNA," <i>Mol. Cell. Biol.</i> 2:161 (1982)

EXAMINER /Jezia Riley/ DATE CONSIDERED 09/02/2006

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>-Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE CITATION (use several sheets if necessary)</p>								Atty. Docket No. ENZ-61 (D11)	Serial No. 10/764,418
								Applicants: Iian, et al	
								Filed: January 23, 2004	Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE			
							5	8	6
JR	5 8 6 6 3 3 6	02/1999	Nazarenko, et al						
JR	6 1 1 4 3 5 0	09/2000	Randall, et al						
JR	6 1 1 0 6 3 0	08/2000	Reddy, et al						
JR	6 0 0 1 5 7 3	12/1999	Rosalent, C.						
JR	5 7 0 7 5 5 9	01/1998	Schaap, et al						
JR	6 3 2 3 3 3 7	11/2001	Singer, et al						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Rieke, R.D., "The preparation of highly reactive metals and the development of novel organometallic reagents," <i>Aldrichimica Acta</i> 33:52-60 (2000)
JR	Robins, M.J., et al., "Nucleic Acid Related Compounds. 39. Efficient Conversion of 5-Iodo to 5-Alkynyl and Derived 5-Substituted Uracil Bases and Nucleosides," <i>J. Org. Chem.</i> 48:1854-1862 (1983)
JR	Schaap, et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 1: Aryl Esterase-Catalyzed Chemiluminescence from a Naphthyl Acetate-Substituted 1,2-Dioxetane," <i>Tetrahedron Letters</i> 28:935-938 (1987)
JR	Schaap, A.P., et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 3: Alkaline Phosphatase-Catalyzed Chemiluminescence from an Aryl Phosphate-Substituted Dioxetane," <i>Tetrahedron Letters</i> 28:1159-1163 (1987)
JR	Selinger, D.W., et al., "RNA expression analysis using a 30 base pair resolution <i>Escherichia coli</i> genome array," <i>Nature Biotech.</i> 18:1262-1268 (2000)
JR	Shibahara, S., et al., "Site-directed cleavage of RNA," <i>Nucl. Acids Res.</i> 15:4403-4415 (1987)

EXAMINER /Jezia Riley/ DATE CONSIDERED 09/02/2006

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form
12/14/06

Form PTO-1449 U.S. Department of Commerce

(REV. 8-83) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION
 (use several sheets if necessary)
Atty. Docket No.
ENZ-61 (D11)

Applicants: Iian, et al

Filed: January 23, 2004 Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	4 8 6 8 1 0 3	09/1989	Stavrianopolous, et al			
JR	4 9 5 2 6 8 5	08/1990	Stavrianopolous, et al			
JR	4 9 9 4 3 7 3	02/1991	Stavrianopolous, et al			
JR	5 0 1 3 8 3 1	05/1991	Stavrianopolous, et al			
JR	5 5 7 8 8 3 2	11/1996	Trulson, et al			
JR	5 1 3 2 2 0 4	07/1992	Urdea, et al			
JR	5 8 9 1 6 3 6	06/1999	Van Gelder, et al			
JR	5 2 6 8 4 8 6	12/1993	Waggoner, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Southwick, P.L., et al., "Cyanine dye labeling reagents - carboxymethylindocyanine succinimidyl esters," <i>Cytometry</i> 11:418-430 (1990)
JR	Talaat, A.M., et al., "Genome-directed primers for selective labeling of bacterial transcripts for DNA microarray analysis," <i>Nature Biotech.</i> 18:679-682 (2000)
JR	Tao, et al., "Genomics: Expression Analysis of Escherichia coli Growing on Minimal and Rich Media," <i>J. Bact.</i> 181:6425-6490 (1999)
JR	Wieringa, J.H., et al., "Adamantylideneadamantane Peroxide. A Stable 1,2 Dioxetane," <i>Tetrahedron Letters</i> 2:169-172 (1972)
JR	Zhu, Z., et al., "Directly labeled DNA probes using fluorescent nucleotides with different length linkers," <i>Nucl. Acids. Res.</i> 22:3418-3422 (1994)

EXAMINER /Jezia Riley/ DATE CONSIDERED 09/02/2006

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office								Atty. Docket No. ENZ-61 (D11)	Serial No. 10/764,418
INFORMATION DISCLOSURE CITATION (use several sheets if necessary)								Applicants: Ilan, et al	
								Filed: January 23, 2004 Group: Not yet known	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR		5	6	2	7	0	2	7	05/1997	Waggoner, et al			
JR		6	0	0	8	3	7	3	12/1999	Waggoner, et al			
JR		5	2	7	0	1	8	4	12/1993	Walker, et al			
JR		5	4	5	5	1	6	6	10/1995	Walker, et al			
JR		4	7	1	1	9	5	5	12/1987	Ward, et al			
JR		5	4	5	5	1	7	5	10/1995	Wittwer, et al			
JR		6	1	7	4	6	7	0	01/2601	Wittwer, et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	/Jezia Riley/	DATE CONSIDERED	09/02/2006
----------	---------------	-----------------	------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.